ABSTRACT:

A method is described to operate a hearing device with an input transducer (1), a signal processing unit (2) and an output transducer (4). The method comprises the steps of converting an acoustic input signal into a converted input signal, processing the converted input signal in a main signal path in order to obtain a main output signal, and supplying the main output signal to an output transducer. By processing the converted input signal in a side signal path to obtain a side path output signal, and by superimposing the side path output signal on the main output signal, wherein a group delay of a signal traveling through the side signal path is smaller than a group delay of a signal traveling through the main signal path, the localization problems are eliminated. At the same time, the hearing device according to the present invention can still have a very high performance. In short terms, a "zero-delay-high-performance" hearing device has been created by the present invention.

(Fig. 2)